

# Converting Colors

$Y_{xy}(75.0173, 0.3824, 0.3836)$

Have a look what the booklet for  
Yxy(75.0173, 0.3824, 0.3836)  
contains.

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# **Color**

**Yxy(74.0831, 0.3790, 0.3845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDAA4
RGB	255, 218, 164
RGB Percent	100%, 85%, 64%
CMY	0.0000, 0.1451, 0.3569
CMYK	0.00, 0.15, 0.36, 0.00
HSL	36°, 100%, 82%
HSV	36°, 36%, 100%
XYZ	73.0234, 74.0831, 45.5674
YIQ	222.9070, 39.3860, -8.9500

# Conversions

## Conversions Part 2

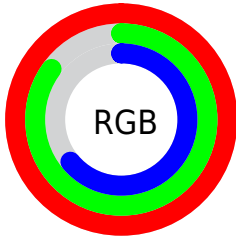
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 255, 164
Decimal	16767652
CIE Lab	88.96, 5.52, 31.37
CIE LCh	89, 31.852, 80.018
Yxy	74.0831, 0.3790, 0.3845
Android (android.graphics.Color)	4294957732 (0xFFFFDAA4)
YUV	222.9070, -29.0412, 28.1456
Hunter-Lab	86.0715, 0.8148, 28.8612

# Details

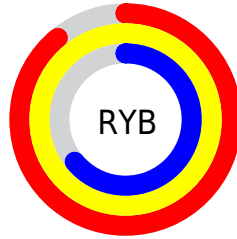
The Yxy color **74.0831, 0.3790, 0.3845** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.8847, 0.2536, 0.2660**, and the grayscale version is **73.9060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **39.2346, 0.3939, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **68.0367, 0.4016, 0.3999**, and if you desaturate by 10%, it is **80.6410, 0.3579, 0.3685**.

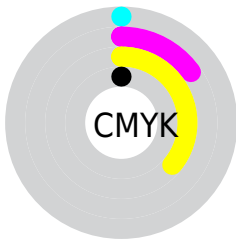
# Distribution



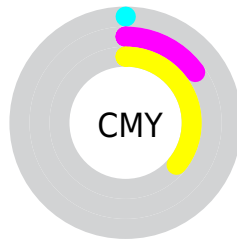
- Red (100%)
- Green (85%)
- Blue (64%)



- Red (89%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (15%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0831, 0.3790, 0.3845 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 74.0831, 0.3790, 0.3845 by changing the saturation by 10% instead.





 74.0831, 0.3790,  
0.3845

 74.0831, 0.3790,  
0.3845


474.7601, 0.3486,  
0.3596

 54.8621, 0.3858,  
0.3899


 125.0136, 0.3685,  
0.3761

 39.2913, 0.3941,  
0.3964

 157.4918, 0.3644,  
0.3727

 26.9864, 0.4044,  
0.4044


195.1580, 0.3609,  
0.3698

 17.5630, 0.4175,  
0.4142

238.3963, 0.3578,  
0.3673

 10.6367, 0.4344,  
0.4265

287.5913, 0.3551,  
0.3650

 5.8231, 0.4568,  
0.4417

343.1273, 0.3527,

 2.7378, 0.5060,

0.3630

0.4779

405.3888, 0.3505,  
0.3612

0.9964, 0.5248,  
0.4752

0.0000, 1.0000,  
0.0000

74.0831, 0.3790,  
0.3845

74.0831, 0.3790,  
0.3845

68.0367, 0.4016,  
0.3999

80.6410, 0.3579,  
0.3685

62.4991, 0.4253,  
0.4138

87.7410, 0.3388,  
0.3526

57.4470, 0.4492,  
0.4250

95.3936, 0.3216,  
0.3373

52.8599, 0.4720,  
0.4322

100.0000, 0.3127,  
0.3290

■ 48.7150, 0.4925,  
0.4344

■ 44.9852, 0.5094,  
0.4312

■ 43.4913, 0.5159,  
0.4286

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0831, 0.3890, 0.3584



74.0831, 0.3790, 0.3845



74.0831, 0.3510, 0.3974

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.0831, 0.3790, 0.3845



74.0831, 0.2520, 0.3255



74.0831, 0.3079, 0.2767

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



74.0831, 0.3790, 0.3845



56.8847, 0.2536, 0.2660

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0831, 0.2727, 0.2671



74.0831, 0.3790, 0.3845



74.0831, 0.2420, 0.2925

# Square

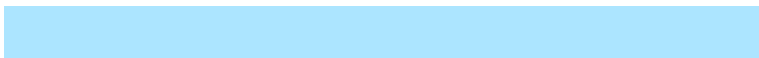
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0831, 0.3790, 0.3845



74.0831, 0.2778, 0.3625



74.0831, 0.2493, 0.2721



74.0831, 0.3465, 0.2982



# Rectangle

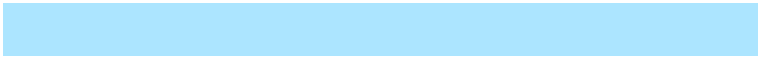
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0831, 0.3790, 0.3845



74.0831, 0.3266, 0.3949



74.0831, 0.2493, 0.2721



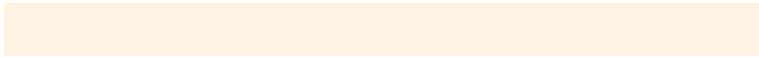
74.0831, 0.2952, 0.2720

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



74.0782, 0.3790, 0.3845



91.2603, 0.3305, 0.3454



52.0677, 0.3627, 0.2898



19.3130, 0.3328, 0.3475



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0782, 0.3790, 0.3845



69.6115, 0.3954, 0.3959



94.0499, 0.3614, 0.4198



19.7792, 0.3279, 0.3431



23.0261, 0.5139, 0.4302



2.4568, 0.5001, 0.4411



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.8847, 0.2536, 0.2660



50.0721, 0.2410, 0.2504



42.4903, 0.2526, 0.2225



18.5905, 0.2979, 0.3145



9.1890, 0.1688, 0.1278



1.1027, 0.1750, 0.1501



# Previews

## White Background



This preview shows how the Yxy color 74.0831, 0.3790, 0.3845 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

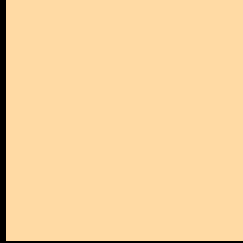
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0831, 0.3790, 0.3845 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

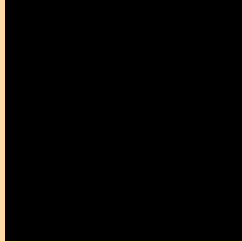
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.0831, 0.3790, 0.3845**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0831, 0.3790, 0.3845.



This preview shows how white text looks on a background with the Yxy color 74.0831, 0.3790, 0.3845.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.0831, 0.3790, 0.3845

### Protanopia

74.0538, 0.3643, 0.3898

### Deuteranopia

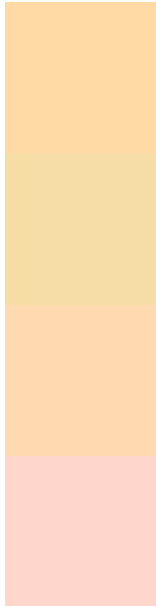
74.2219, 0.3669, 0.3661



## Tritanopia

73.8380, 0.3349, 0.3150

# Trichromacy



**Original Color**

74.0831, 0.3790, 0.3845

**Protanomaly**

73.8420, 0.3695, 0.3880

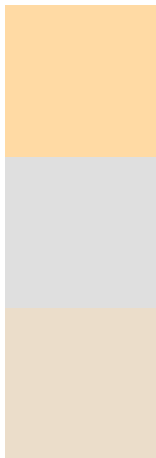
**Deuteranomaly**

73.9809, 0.3713, 0.3723

**Tritanomaly**

73.6649, 0.3514, 0.3403

# Monochromacy



**Original Color**

74.0831, 0.3790, 0.3845

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

73.6393, 0.3358, 0.3494

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0831, 0.3790, 0.3845 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 218, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 164)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 218, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0831, 0.3790, 0.3845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 218, 164) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 218, 164) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 218, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 218, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 218, 164); box-shadow:4px 4px 4px 4px rgb(255, 218, 164) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0831, 0.3790, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 164) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
218, 164) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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